

EAST Search History

| Ref # | Hits | Search Query | Dbs | Default Operator | Plunks | Time Stamp |
|-------|---------|---|--|------------------|--------|------------------|
| L1 | 667 | (water adj3 distribution) with (network model simulation) | US-FGRUB; USPAT; USOCR; EPO; JPO; DERIVENT; IBM_TDB | OR | ON | 2006/06/20 11:59 |
| L2 | 15 | L1 and regression | US-FGRUB; USPAT; USOCR; EPO; JPO; DERIVENT; IBM_TDB | OR | ON | 2006/06/20 11:59 |
| L3 | 16380 | (water with distribution) ab. | US-FGRUB; USPAT; USOCR; EPO; JPO; DERIVENT; IBM_TDB | OR | ON | 2006/06/20 11:59 |
| L4 | 188062 | (estimat\$4 predict\$4 simulat\$4 model\$4) il. | US-FGRUB; USPAT; USOCR; EPO; JPO; DERIVENT; IBM_TDB | OR | ON | 2006/06/20 11:59 |
| L5 | 186 | L3 and L4 | US-FGRUB; USPAT; USOCR; EPO; JPO; DERIVENT; IBM_TDB | OR | ON | 2006/06/20 11:59 |
| L6 | 4150914 | (water fluid liquid) ab. | US-FGRUB; USPAT; USOCR; EPO; JPO; DERIVENT; IBM_TDB | OR | ON | 2006/06/20 11:59 |
| L7 | 10770 | L4 and L6 | US-FGRUB; USPAT; USOCR; EPO; JPO; DERIVENT; IBM_TDB | OR | ON | 2006/06/20 11:59 |
| L8 | 1499 | L7 and (roughness junction demand supply) | US-FGRUB; USPAT; USOCR; EPO; JPO; DERIVENT; IBM_TDB | OR | ON | 2006/06/20 11:59 |
| L9 | 54 | L8 and ("703" das or "716" das.) | US-FGRUB; USPAT; USOCR; EPO; JPO; DERIVENT; IBM_TDB | OR | ON | 2006/06/20 11:59 |
| L10 | 4 | pipe roughness and (water near model) | US-FGRUB; USPAT; USOCR; EPO; JPO; DERIVENT; IBM_TDB | OR | ON | 2006/06/20 11:59 |

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| L11 | 6 | pipe roughness and (water near model\$4) | US-FGRUB; USPAT; USOCR; EPO; JPO; DERIVENT; IBM_TDB | OR | ON | 2006/06/20 11:59 |
| L12 | 22 | (water near distrib near model\$4) ab. | US-FGRUB; USPAT; USOCR; EPO; JPO; DERIVENT; IBM_TDB | OR | ON | 2006/06/20 11:59 |
| L13 | 96 | ("567525" "5781700" "5931140" "6092018" "4255706" "4403297" "4623266" "4808912" "4816767" "4845423" "4941082" "4967173" "5023571" "5047725" "5267502" "5345077" "5399541" "5412806" "5413029" "5434511" "5434971" "5442296" "5444619" "5467013" "5467021" "5472561" "5537046" "5539638" "5548221" "5552714" "5553816" "5554273" "5565364" "5578932" "5617490" "571209" "5724267" "5748506" "5784299" "5790479" "5805467" "5832106" "5845627" "5937006" "6005829" "6041077" "6064694" "6112162" "6137440" "6147501") pm. | US-FGRUB; USPAT; USOCR; EPO; JPO; DERIVENT; IBM_TDB | OR | OFF | 2006/06/20 11:59 |
| L14 | 60938 | (7032) (CLS or "405") CLS. | US-FGRUB; USPAT; USOCR; EPO; JPO; DERIVENT; IBM_TDB | OR | OFF | 2006/06/20 11:59 |
| L15 | 6 | 7022.cds. and "405" das. | US-FGRUB; USPAT; USOCR; EPO; JPO; DERIVENT; IBM_TDB | OR | ON | 2006/06/20 11:59 |
| L16 | 756 | 7022.cds. 70255.cds. 7029.cds. | US-FGRUB; USPAT; USOCR; EPO; JPO; DERIVENT; IBM_TDB | OR | ON | 2006/06/20 11:59 |
| L17 | 480 | L16 and (water liquid) | US-FGRUB; USPAT; USOCR; EPO; JPO; DERIVENT; IBM_TDB | OR | ON | 2006/06/20 11:59 |
| L18 | 33 | L17 and roughness | US-FGRUB; USPAT; USOCR; EPO; JPO; DERIVENT; IBM_TDB | OR | ON | 2006/06/20 11:59 |
| L19 | 1044 | multiple with field with measurements3 | US-FGRUB; USPAT; USOCR; EPO; JPO; DERIVENT; IBM_TDB | OR | ON | 2006/06/20 11:59 |
| L20 | 31221 | (water with distrib\$9) ab. | US-FGRUB; USPAT; USOCR; EPO; JPO; DERIVENT; IBM_TDB | OR | ON | 2006/06/20 11:59 |

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| L21 | 85527 | (multiple plurality) with (measurement3 calibration) | US-ACRUB; USPAT; USOCR; EPO, JPO, DERWENT; IBM, TDB | OR | ON | 2006/06/20 11:59 |
| L22 | 9800 | L20 and pipe44 | US-ACRUB; USPAT; USOCR; EPO, JPO, DERWENT; IBM, TDB | OR | ON | 2006/06/20 11:59 |
| L23 | 37 | L22 and trial | US-ACRUB; USPAT; USOCR; EPO, JPO, DERWENT; IBM, TDB | OR | ON | 2006/06/20 11:59 |
| L24 | 0 | "Equipment Needs for Field Data Collection in Support of Modeling" | US-ACRUB; USPAT; USOCR; EPO, JPO, DERWENT; IBM, TDB | OR | ON | 2006/06/20 11:59 |
| L25 | 10 | (water near2 distribution) and (display with (input or interface)) same calibration | US-ACRUB; USPAT; USOCR; EPO, JPO, DERWENT; IBM, TDB | OR | ON | 2006/06/20 11:59 |
| L26 | 40 | (water near1 (distribution network)) and ((monitor interface display) with (input enter specify provide)) same (calibration optimi53) | US-ACRUB; USPAT; USOCR; EPO, JPO, DERWENT; IBM, TDB | OR | ON | 2006/06/20 11:59 |
| L27 | 7435 | (water near3 distribution) ab. | US-ACRUB; USPAT; USOCR; EPO, JPO, DERWENT; IBM, TDB | OR | ON | 2006/06/20 11:59 |
| L28 | 103 | L27 and display ab. | US-ACRUB; USPAT; USOCR; EPO, JPO, DERWENT; IBM, TDB | OR | ON | 2006/06/20 11:59 |
| L29 | 2 | "546600" pn. | US-ACRUB; USPAT; USOCR; EPO, JPO, DERWENT; IBM, TDB | OR | ON | 2006/06/20 11:59 |
| L30 | 667 | (water near3 distribution) with (network model simulation) | US-ACRUB; USPAT; USOCR; EPO, JPO, DERWENT; IBM, TDB | OR | ON | 2006/06/20 11:59 |

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| L31 | 16380 | (water with distribution) ab. | US-ACRUB; USPAT; USOCR; EPO, JPO, DERWENT; IBM, TDB | OR | ON | 2006/06/20 11:59 |
| L32 | 188062 | (estimat4 predict4 simulat4 model4) ti. | US-ACRUB; USPAT; USOCR; EPO, JPO, DERWENT; IBM, TDB | OR | ON | 2006/06/20 11:59 |
| L33 | 4150914 | (water fluid liquid) ab. | US-ACRUB; USPAT; USOCR; EPO, JPO, DERWENT; IBM, TDB | OR | ON | 2006/06/20 11:59 |
| L34 | 10770 | L32 and L33 | US-ACRUB; USPAT; USOCR; EPO, JPO, DERWENT; IBM, TDB | OR | ON | 2006/06/20 11:59 |
| L35 | 1499 | L34 and (roughness junction demand supply) | US-ACRUB; USPAT; USOCR; EPO, JPO, DERWENT; IBM, TDB | OR | ON | 2006/06/20 11:59 |
| L36 | 4 | "pipe roughness" and (water near1 model) | US-ACRUB; USPAT; USOCR; EPO, JPO, DERWENT; IBM, TDB | OR | ON | 2006/06/20 11:59 |
| L37 | 60958 | (702/2) CC15, or ("405") CL45. | US-ACRUB; USPAT; USOCR; EPO, JPO, DERWENT; IBM, TDB | OR | OFF | 2006/06/20 11:59 |
| L38 | 756 | 702/2.cds; 702/5.cds; 703/9.cds | US-ACRUB; USPAT; USOCR; EPO, JPO, DERWENT; IBM, TDB | OR | ON | 2006/06/20 11:59 |
| L39 | 480 | L38 and (water liquid) | US-ACRUB; USPAT; USOCR; EPO, JPO, DERWENT; IBM, TDB | OR | ON | 2006/06/20 11:59 |
| L40 | 1044 | multiple with field with measurement3 | US-ACRUB; USPAT; USOCR; EPO, JPO, DERWENT; IBM, TDB | OR | ON | 2006/06/20 11:59 |

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| L41 | 31221 | (water with distri\$9).ab. | US-ACRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/20 11:59 |
| L42 | 85527 | (multiple plurality) with (measurements3 calibrat\$4) | US-ACRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/20 11:59 |
| L43 | 9800 | L41 and pipe\$4 | US-ACRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/20 11:59 |
| L44 | 0 | Equipment Needs for Field Data Collection in Support of Modeling* | US-ACRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/20 11:59 |
| L45 | 7435 | (water near2 distribution).ab. | US-ACRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/20 11:59 |
| L46 | 15 | L30 and regression | US-ACRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/20 11:59 |
| L47 | 54 | L35 and ("7037.cds" or "7167.cds") | US-ACRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/20 11:59 |
| L48 | 6 | pipe roughness* and (water near4 model\$4) | US-ACRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/20 11:59 |
| L49 | 22 | (water near4 distri\$6 near4 model\$4).ab. | US-ACRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/20 11:59 |
| L50 | 96 | "\$675253" "\$781200" "\$931140" "\$6092018" "\$255706" "\$403297" "\$623266" "\$680891" "\$4816767" "\$4845423" "\$345077" "\$349564" "\$412806" "\$413023" "\$434511" "\$434971" "\$442286" "\$444619" "\$467013" "\$467021" "\$472561" "\$537046" "\$539838" "\$548221" "\$552714" "\$553616" "\$554223" "\$565664" "\$578932" "\$617490" "\$712209" "\$724267" "\$748506" "\$784299" "\$790479" "\$805467" "\$832106" "\$845627" "\$937006" "\$6005829" "\$641077" "\$604694" "\$112162" "\$137440" "\$147501")".pm. | US-ACRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/20 11:59 |

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| L51 | 6 | 70212.cds. and "405".cds. | US-ACRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/20 11:59 |
| L52 | 33 | L39 and roughness | US-ACRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/20 11:59 |
| L53 | 37 | L43 and trial | US-ACRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/20 11:59 |
| L54 | 10 | (water near2 distribution) and (display with (input or interface)) same calibration | US-ACRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/20 11:59 |
| L55 | 40 | (water near4 (distribution network)) and (monitor interface display) with (input enter specify provide) same (calibrat\$4 optimi\$9) | US-ACRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/20 11:59 |
| L56 | 103 | L45 and display.ab. | US-ACRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/20 11:59 |
| L57 | 2 | "\$466200".pm. | US-ACRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/20 11:59 |
| L58 | 186 | L31 and L32 | US-ACRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/20 11:59 |
| L59 | 756 | 70212.cds. 702155.cds. 70319.cds. | US-ACRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/20 11:59 |

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| Ref # | Hits | Search Query | Dbs | Default Operator | Plurals | Time Stamp |
|-------|------|---|--|------------------|---------|------------------|
| L1 | 2 | "water distribution" and "genetic algorithm" and calibration).ab. | US-FCRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM; TDB | OR | ON | 2006/06/20 12:03 |
| L2 | 2 | "water distribution" and "genetic algorithm").ab. and calibration | US-FCRUB; USOCR; EPO; JPO; DERWENT; IBM; TDB | OR | ON | 2006/06/20 12:03 |
| L3 | 2 | "water distribution" and "genetic algorithms").ab. and calibration. | US-FCRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM; TDB | OR | ON | 2006/06/20 12:03 |